

The graph illustrates the relationship between the number of nodes (N) and the number of links (L) in a network. The x-axis represents the number of nodes, ranging from 0 to 10. The y-axis represents the number of links, ranging from 0 to 10. A diagonal line represents the formula  $L = \frac{N(N-1)}{2}$ , which shows that the number of links increases quadratically with the number of nodes. The line is labeled  $L = \frac{N(N-1)}{2}$ .

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